AMENDMENTS TO THE CLAIMS

Please amend claims 1, 20, and 28, cancel claim 24 as follows:

1   1.   (Currently Amended) A method, comprising:

2   receiving a first ~~schema~~ database;

3   forming a virtual schema including at least a portion of a dataset included

4   within the first database;

5   receiving a first input indicating a criteria;

6   aggregating data of the <u>first</u> database into one or more groupings in

7   accordance with the virtual schema and the first input indicating

8   the criteria; and

9   displaying one or more indicators associated with the one or more

10   groupings on an n-dimensional presentation.

1   2.   (Original) The method of claim 1, further comprising:

2   receiving a second input indicating one or more regions;

3   storing the second input as a spatial-object meta data; and

4   aggregating the groupings based upon the spatial-object meta data.

1   3.   (Original) The method of claim 2, further comprising:

2   displaying one or more indicators associated with the one or more

3   groupings in a region associated therewith on an n-dimensional

4   presentation.

1   4.   (Original) The method of claim 2, wherein

2   the region comprises at least one of:

3   a polygon,

4   a circle,

5   a rectangle,

6   an ellipse, and

7   an animal home range.

1   5.   (Original) The method of claim 2, wherein:

2   the second input indicating one or more regions comprises:

3   at least one of:

4   an input from a user,

5   a pre-determined area,

6   a derivation based upon one or more objects on the n-dimensional

7   presentation, and

8   a result of a computation.

1   6.   (Original) The method of claim 5, wherein:

2   the pre-determined area comprises at least one of:

3   a zip code,

4   an area code,

5   a census tract,

6   a Metropolitan Statistical Area (MSA),

7   a nation state,

8   a state,

9   a county,

10   a municipality,

11   a latitude, and

12   a longitude.

1   7.   (Original) The method of claim 5, wherein:

2   the derivation based upon one or more objects on the n-dimensional

3   presentation comprises:

4   a region within a specified distance of a power line.

1   8.   (Original) The method of claim 5, wherein:

2   the result of a computation comprises:

3   computing an animal home range, the home range providing a region

4   defined by activities of a target;

5   defining within the region a first ellipse; and

6   defining within the region a second ellipse approximately orthogonal to the

7   first ellipse; wherein

8   an area defined by intersection of the first ellipse and the second ellipse

9   provides a greatest probability of finding the target.

1   9.   (Original) The method of claim 8, wherein:

2   the target comprises at least one of:

3   a suspect, who perpetrated criminal acts defined by the data,

4   a customer, who completed transactions in shops defined by the data,

5   a source of biological material, which caused infections in persons defined

6   by the data.

1   10.   (Original) The method of claim 2, wherein:

2   aggregating the groupings based upon the spatial-object meta data

3   comprises:

4   checking whether data points fall within a common region, and

5   if so, aggregating data represented by the data points.

1   11.   (Original) The method of claim 3, wherein:

2   the n-dimensional presentation comprises a map.

1   12.   (Original) The method of claim 11, wherein:

2   displaying one or more indicators further comprises:

3   determining an x, y coordinate for each region on the map;

4   displaying at least one indicator associated with the one or more groupings

5   on the map at the x, y coordinate.

1   13.   (Original) The method of claim 2, further comprising:

2   receiving a third input indicating a one or more redefined regions;

3   storing the third input as a redefined spatial-object meta data; and

4   aggregating into new groupings based upon the spatial-object meta data.

1   14.   (Original) The method of claim 2, further comprising:

2   redefining the virtual schema based upon the spatial-object meta data.

1   15.   (Original) The method of claim 14, wherein:

2   redefining the virtual schema based upon the spatial-object meta data

3   comprises:

4   receiving a third input indicating a criteria;

5   aggregating data of the database into one or more new groupings in

6   accordance with the redefined virtual schema and the third input

7   indicating the criteria; and

8   displaying one or more indicators associated with the one or more new

9   groupings on an n-dimensional presentation.

1   16.   (Original) The method of claim 2, further comprising:

2   receiving a third input indicating a relationship between a first data point

3   and a second data point on the n-dimensional presentation;

4   reflecting the relationship in the virtual schema;

5   aggregating data of the database into one or more new groupings in

6   accordance with the virtual schema; and

7   displaying one or more indicators associated with the one or more new

8   groupings on an n-dimensional presentation.

1   17.   (Original) The method of claim 1, further comprising:

2   receiving a second database;

3   forming a virtual schema including at least a portion of a dataset included

4   within at least one of the first database and the second database;

5   receiving a first input indicating a criteria;

6   aggregating data of at least one of the first database and the second

7   database into one or more groupings in accordance with the virtual

8   schema and the first input indicating the criteria; and

9   displaying one or more indicators associated with the one or more

10   groupings on an n-dimensional presentation.

1   18.   (Original) The method of claim 1, further comprising:

2   generating code in accordance with the virtual schema.

1   19.   (Original) The method of claim 1, further comprising:

2   providing customer centric information to a core of customer data within

3   the database in accordance with the virtual schema.

1   20.   (Currently Amended) A method, comprising:

2   receiving a first ~~schema~~ database;

3   forming a virtual schema including at least a portion of a dataset included

4   within the first database;

5   receiving a first input indicating a criteria;

6   receiving a second input indicating one or more regions;

7   aggregating data of the <u>first</u> database into one or more groupings in

8   accordance with the virtual schema, the first input indicating the

9   criteria, and the second input indicating the one or more regions of

10   interest; and

11   displaying one or more indicators associated with the one or more

12   groupings on an n-dimensional presentation.

1   21.   (Original) A system, comprising:

2   a schema builder that generates one or more virtual schemas including at

3   least a portion of data input from a source, and generates mapping

4   rules controlling data movement into a data warehouse;

5   a metadata repository operative to hold the virtual schemas and mapping

6   rules;

7   a data warehouse builder;

8   a spatial-object data repository;

9   a region checker; and

10   an n-dimensional presentation;

11   wherein the data warehouse is defined by at least a portion of the data

12   input, the virtual schemas, the mapping rules, and the analysis

13   functions.

1   22.   (Original) The system of claim 21 wherein the source comprises at

2   least one of a plurality of on line transaction processing (OLTP) databases.

1   23.   (Original) An apparatus, comprising:

2   means for generating one or more virtual schemas including at least a

3   portion of data input from a source;

4   means for generating mapping rules controlling data movement into a data

5   warehouse;

6   means for holding the virtual schemas and mapping rules;

7   means for generating one or more analysis functions based upon the virtual

8   schemas and data input.

1   24.   (Canceled)

1   25.   (Original) A computer program product, comprising:

2   code for accessing meta data from a repository;

3   code for translating entities from a meta model into a data schema to form

4   a database;

5   code for providing customer activity correlation queries with access to a

6   database of a data warehouse;

7   code for providing customer data analysis functions;

8   code for providing analysis results to at least one of a plurality of business

9   applications; and

10   a computer readable storage medium for holding the codes.

1   26.   (Original) A customer data analysis report produced according to

2 the method of claim 1.

1   27.   (Original) A method, comprising:

2   providing a focal group, comprising:

3   at least one of a plurality of core components; and

4   at least one of a plurality of classification components providing

5   classifications for information relating to the core

6   components; and

7   providing at least one customized group, comprising:

8   at least one of a plurality of customer activity components related

9   to the core component; and

10   at least one of a plurality of activity lookup components related to

11   at least one of the customer activity components;

12   wherein the focal group and the customized group comprise a reverse star

13   schema meta model.

1   28.   (Currently Amended) A computer readable storage medium containing

2   information organized <u>into a focal group and at least one customized group</u> according to the

3   method of claim 27.